

AW08EDB Series  
AW10EDB Series  
AW12EDB Series

# Air Conditioner user manual

imagine the possibilities

Thank you for purchasing this Samsung product.  
To receive more complete service, please  
register your product at

[www.samsung.com/global/register](http://www.samsung.com/global/register)



# features of your new air conditioner

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- **A Cooler Summer**

On those hot sweltering summer days and long restless nights, there is no better escape from the heat than the cool comforts of home. Your new air conditioner brings an end to exhausting hot summer days and lets you rest. This summer, beat the heat with your own air conditioner.

- **Easy Maintenance**

Cleaning and maintenance are no longer a chore. Simply remove the air filter inside the air conditioner, rinse, and dry for clean fresh air. Breathe a sigh of relief at knowing how easy it is to keep the air clean.

- **A Look for Everywhere**

The elegant and harmonious design gives priority to the esthetics of your space and complements any of your existing interior decor. With its soft-white color and rounded-edge shape, the new air conditioner adds class to any room. Enjoy what your air conditioner offers both functionally and esthetically.

- **Advanced Timer Function**

Imagine your home filled with cool or warm air from long day of work or school. You can set the timer to automatically turn on and off the air conditioner even when you are not home.



For easy future reference write the model and serial number down. You will find your model number on the bottom side of the air conditioner.

Model # \_\_\_\_\_

Serial # \_\_\_\_\_

# safety information

To prevent electric shock, disconnect the power before servicing, cleaning, and installing the unit.

## SAFETY INFORMATION

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have questions, call Samsung's contact center at 1-800-SAMSUNG or find help and information online at [www.samsung.com](http://www.samsung.com).

### What the icons and signs in this user manual mean:

	Risk of death or serious personal injury.
	Potential risk of personal injury or material damage.
	To reduce the risk of fire, explosion, electric shock, or personal injury when using your air conditioner, follow these basic safety instructions:
	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions carefully.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the contact center for help.
	Recommended instructions or useful information.

**These warning signs are here to prevent injury to you and others.**

**Please follow them carefully.**

**After reading this section, keep it in a safe place for future reference.**

## SEVERE WARNING SIGNS

- Do not cut the power plug and connect to a different power cable.**  
**Never attempt to lengthen the power cable.**
  - Potential risk of fire or electric shock.
- Do not yank the power cable and touch the power plug with wet hands.**
  - Potential risk of fire or electric shock.
- Never use a damaged power plug, power cable, or loosened power receptacle.**
  - Potential risk of fire or electric shock.

# safety information

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**Do not place the air conditioner near hazardous substances or equipment that releases free flames to avoid fires, explosions or injuries.**

**Do not spray flammable gases such as insecticide near the air conditioner.**

- Potential electric shock, fire or unit malfunction.

**Do not block or place items in front of the air conditioner.**

**Do not step, hang onto, or place heavy items on the air conditioner.**

- Potential risk of personal injury.

**Do not insert anything such as fingers or branches into the air conditioner vents.**

- Keep children away from the air conditioner.
- Potential risk of personal injury.



**Potential risk of unit malfunction, water leakage, electric shock, or fire.**



**Install the air conditioner with the support bracket securely fastened to use for an extended period of time.**

- If the air conditioner falls, it may cause personal injury or loss of property.

**Ensure the air conditioner is installed in compliance with current national safety standards.**

**Use a rated circuit breaker only.**

- Never use steel wires or copper wires as a circuit breaker. It may cause fire or unit malfunction.

**Use an exclusive power source for the air conditioner.**

- Potential risk of electric shock or fire.

**Do not put undue stress on the power cable or place heavy objects on it.**

**Do not bend the power cable excessively.**

- Potential risk of fire or electric shock.

**If the air conditioner becomes wet, turn off immediately and call Samsung's contact center at 1-800-SAMSUNG.**

- Potential risk of fire or electric shock.



**Disconnect the air conditioner from power supply before it is repaired or disassembled.**



**Use a receptacle that has a ground terminal. The receptacle must be used exclusively for the air conditioner.**

- Improper electrical grounding may cause electric shock or fire.

## CAUTION SIGNS

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**Ensure no water gets into the air conditioner.**

- Potential risk of fire or electric shock.

**Do not install the air conditioner close to heating appliances to avoid damage.**

**Turn off the air conditioner using the provided remote control or control accessory (if provided). Do not unplug to turn the unit off (unless there is an immediate danger).**

**Do not open the front grille during operation.**

- Potential risk of electric shock or unit malfunction.

**Cool air should not flow directly towards people, pets, and plants.**

- It is harmful to your health, pets, and plants.

**Do not run the air conditioner for an extended period of time in an unattended room with the door closed where babies, elderly or disabled people are located.**

- Open the door or windows to ventilate your room at least once an hour to prevent oxygen shortage.

**Do not use the air conditioner as a cooling precision instrument for food, pets, plants, cosmetics or machinery.**

- Potential risk of property loss.

**Do not drink water from the air conditioner.**

- Potential risk of health hazard.

**Do not give excessive shock to the air conditioner.**

- Potential risk of fire or unit malfunction.

**Do not expose the dust filter to direct sunlight while drying.**

- Strong direct sunlight may deform the dust filter.

**Do not spray water directly on the air conditioner or use benzene, thinner, or alcohol to clean the surface of the unit.**

- Potential risk of electric shock or fire.
- Potential risk of damage to the air conditioner.

**Do not place containers with liquid or other objects on the unit.**

**Do not throw the remote control.**

- It may break and plastic piece can be dangerous. You may get a cut or greater injury.



**The air conditioner is composed of moving parts. Keep children away from the unit to avoid physical injury.**



**Make sure the voltage and frequency of the electric system are compatible with the air conditioner.**

**Insert the dust filter before operating the air conditioner.**

- If there is no dust filter inside the air conditioner, accumulated dust may shorten the life of the air conditioner and cause electricity waste.

**Keep indoor temperatures stable and not extremely cold, especially where there are children, elderly or disabled people.**

**Clean the air conditioner after the inner fan stops operating.**

- Potential risk of injury or electric shock.

**Clean the dust filter every 2 weeks. Clean the filter more frequently if the air conditioner is operated in dusty areas.**

# safety information

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Have a qualified service technician inspect the condition, electric connections, pipes and external case of the air conditioner regularly.

Do not open doors and windows in the room being cooled during operation unless necessary.

**Do not block the air conditioner vents.**

- If objects block the air flow, it may cause unit malfunction or poor performance.

The packaging material and used batteries of the remote control (optional) must be disposed of in accordance with the national standards.

The refrigerant used in the air conditioner must be treated as chemical waste. Dispose the refrigerant following national standards.

Have a qualified service technician install the air conditioner and perform a trial operation.



**Ensure the off-on and protection switches are properly installed.**

Do not use the air conditioner if damaged. If problems occur, immediately stop operation and disconnect the plug from the power supply.

If the air conditioner will not be used for an extended period of time (for example, over several months), unplug the power from the wall.



**Call Samsung's contact center at 1-800-SAMSUNG if repairs are needed.**

- Potential risk of fire or electric shock if disassembly or repairs are attempted by a non-qualified service technician.

If you smell burning plastic, hear strange sounds, or see smoke coming from the unit, unplug the air conditioner immediately and call Samsung's contact center.

- Potential risk of fire or electric shock.

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# setting up your air conditioner before use

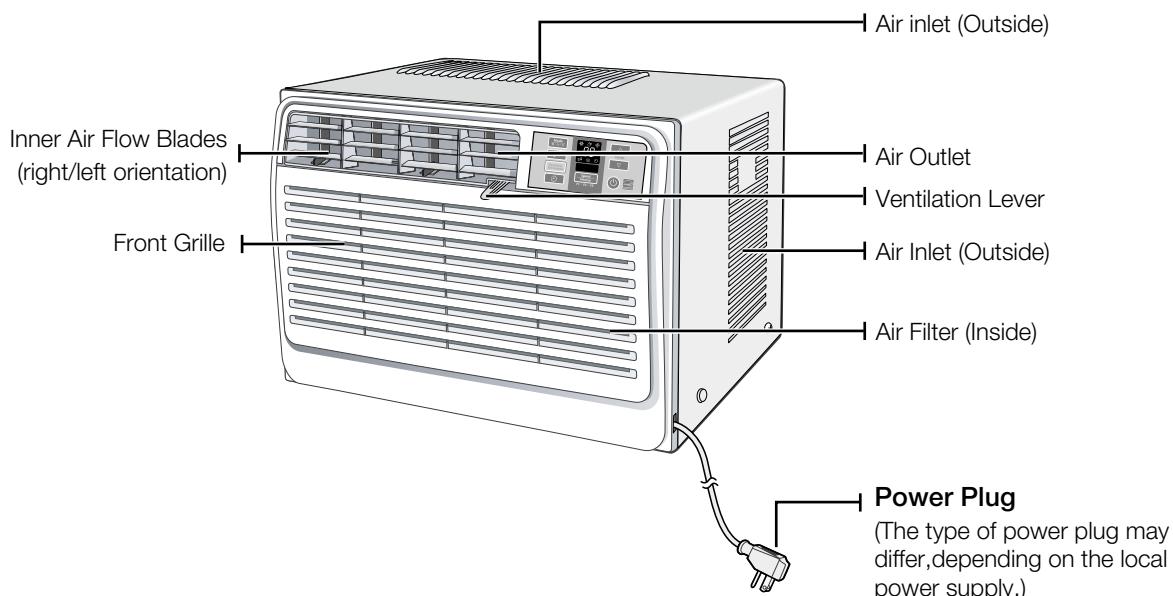
Congratulations on the purchase of your new air conditioner. We hope you enjoy the features of your air conditioner and stay cool with optimal efficiency.

Please read the user manual to get started and to obtain the best performance from the air conditioner.

## CHECKING THE PARTS AND THE CONTROL PANEL

Carefully unpack your air conditioner, and check the unit to make sure it is not damaged.

### Main parts



- Your air conditioner may slightly differ from illustration shown above depending on your model.
- Power plug may be different from the illustration shown above depending on your region.
- When you connect the power plug into the receptacle, a beep will sound.

### Ventilation lever

The ventilation lever is designed to help you get fresh air from outdoors. It can also help prevent strong outdoor odors from entering the room through the air conditioner. The lever is located on the lower right side of the air flow blades.

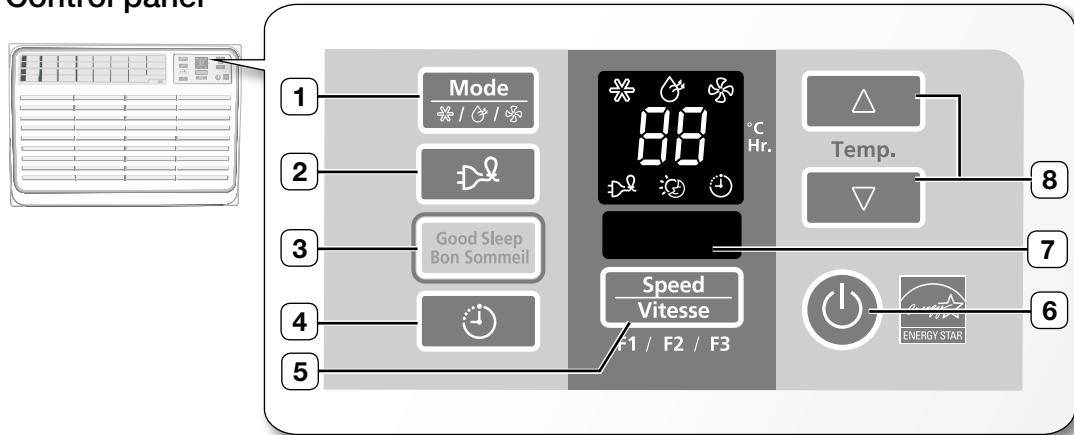
Sliding the ventilation lever to the right lets outdoor air enter the room, and sliding the lever to the left re-circulates existing air within the room.



Depending on your model, the ventilation lever appearance and location may slightly differ.



## Control panel



<b>1 MODE BUTTON</b>		Sets the operation mode to Cool, Fan or Dry.  Cool - Gets cool air from the air conditioner. Fan - Air circulation with no cooling. Dry - Removes humidity from the room without changing the temperature.
<b>2 E.SAVER BUTTON</b>		Sets E.Saver mode to save energy when the air conditioner is running.  Press this button to active/deactive the E.Saver mode when the unit runs in Cool or Fan mode.
<b>3 GOOD SLEEP BUTTON</b>		In Good Sleep mode, the air conditioner will run for 8 hours at the temperature you set before turning off.  Press this button to activate/deactivate the Good Sleep mode when the air conditioner is on.
<b>4 TIMER BUTTON</b>		Sets the timer to turn the air conditioner on/off automatically after a pre-set time has elapsed.  Press this button while the air conditioner is off to activate the On timer. Press this button while the air conditioner is on to activate the Off timer.
<b>5 FAN SPEED BUTTON</b>		This button adjusts how much air flows through the air conditioner.  Sets the fan speed to Low/Medium/High.
<b>6 POWER BUTTON</b>		Turns the air conditioner on and off.  A Short beep will sound twice when the air conditioner is turned on. A Long beep will sound once when the air conditioner is turned off.
<b>7 REMOTE CONTROL SENSOR</b>		Aim the remote control toward this spot on the air conditioner.
<b>8 TEMPERATURE BUTTON</b>		You can adjust the temperature between 18°C~30°C in Cool mode.  ▲ - Increases the temperature by 1°C unit. ▼ - Decreases the temperature by 1°C unit.

# setting up your air conditioner before use

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## Digital display



## Fan speed

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One of these icons will appear on the display when you press the **Fan Speed** button on the control panel.

- F1 Low fan speed.
- F2 Medium fan speed.
- F3 High fan speed.

## Temperature/Timer reminder

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Temperature/Timer reminder indicates the temperature you have set or the remaining hours left in your Timer and the Sleep mode.

## Operating mode \* ---

One of these icons will appear on the display when you press the **Mode** button on the control panel.

- \* Cool mode is activated.
- + Fan mode is activated.

## Dry

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When the air conditioner is running in Dry mode, it will decrease the humidity of the room.

## Timer

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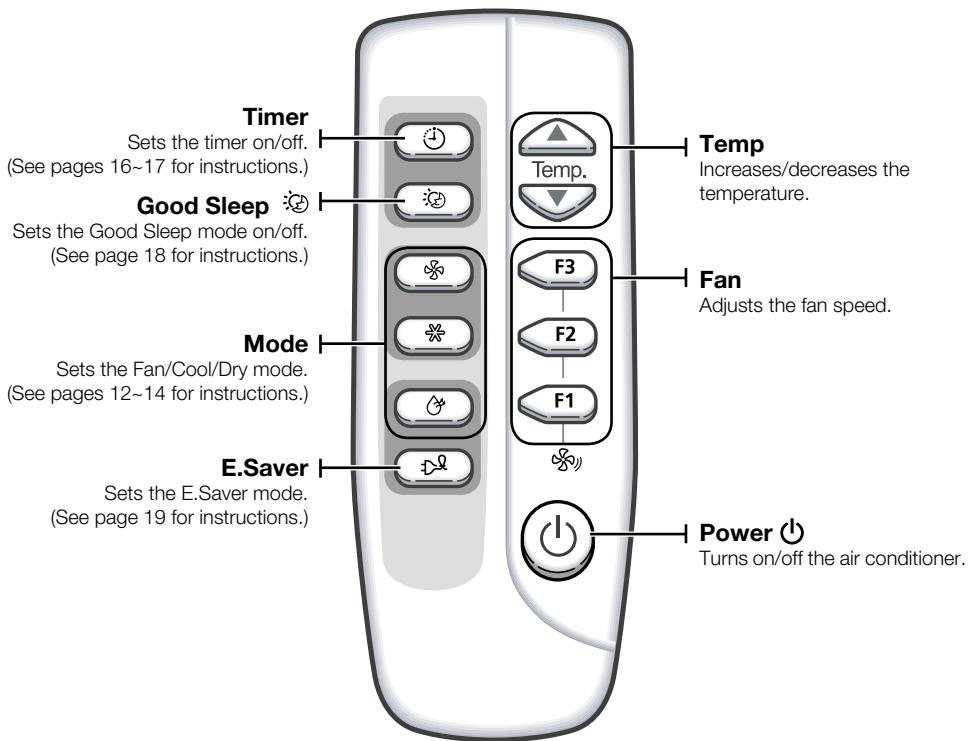
When you activate Timer or Sleep mode, this icon will appear to let you know that selected mode has been set .

## E.Saver

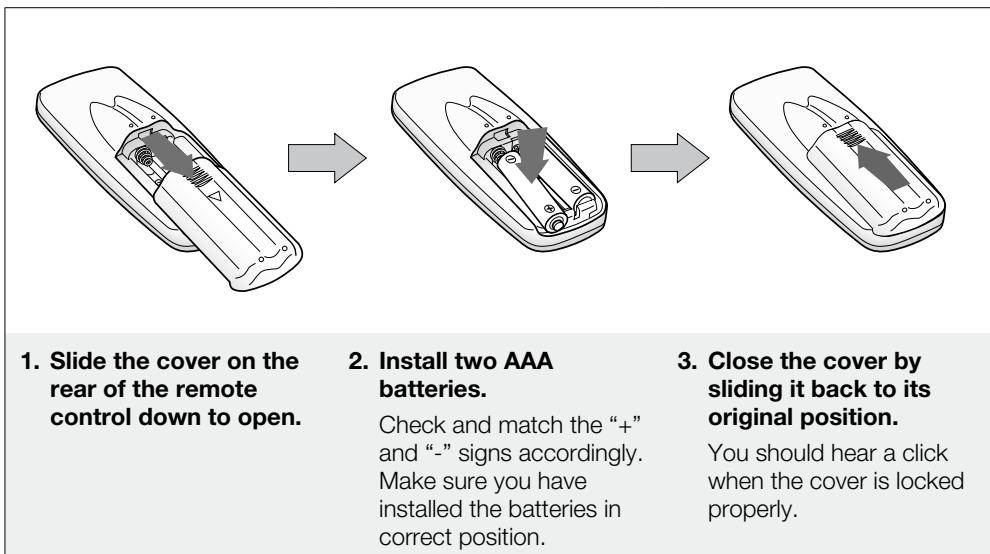
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When you activate E.Saver mode, this icon will appear and the unit will run in energy saving mode.

## Remote control



## Installing the batteries



# operating your air conditioner

## SELECTING OPERATION MODE

### Cooling

Transform a hot and humid room into a cool haven quickly by closing all unnecessary openings such as fireplace dampers, doors, or windows in the room before running the air conditioner to increase efficiency and save energy.

1. Turn on the air conditioner.

Press the **Power**  button on the remote control.

You will hear two short beeps and the air conditioner will turn on.



2. Set the operating mode.

Press the **Cool** button on the remote control to select Cool mode.

 icon will appear on the display.



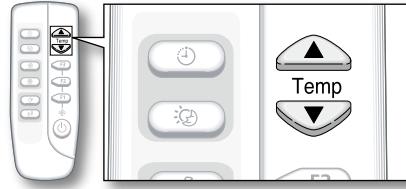
3. Set the temperature.

Press the **Temp** button on the remote control.

Press **▲** or **▼** button to increase or decrease the desired temperature.

You can set the desired temperature within the range of 18°C~ 30°C in Cool mode.

 You can increase/decrease the temperature in 1°C units.

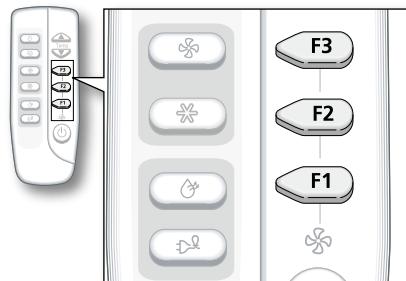


4. Set the fan speed.

Press the **Low/Med/High** button on the remote control.

One of the following icons will appear on the display.

-  Low fan speed is activated.
-  Medium fan speed is activated.
-  High fan speed is activated.





- When you are using the remote control, make sure corresponding icon appears on the display.
- If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.
- Air flow can also be adjusted manually. (See page 15 for instructions.)
- Avoid drastically turning down the temperature. Energy is wasted and the room does not cool faster.

# operating your air conditioner

## SELECTING OPERATION MODE

### Dry

If the atmosphere in your room is very humid or damp, you can remove excess humidity without lowering the room temperature too much.

1. Turn on the air conditioner.

Press the **Power**  button on the remote control.

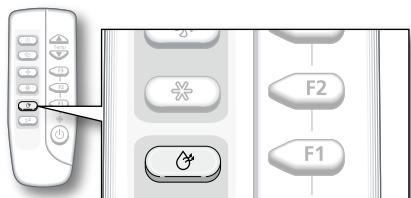
You will hear two short beeps and the air conditioner will turn on.



2. Set the operating mode.

Press the **Dry** button on the remote control to select Dry mode.

 icon will appear on the display.



3. Set the temperature.

Press the **Temp** button on the remote control.

Press **▲** or **▼** button to increase or decrease the desired temperature.

You can set the desired temperature within the range of 18°C~ 30°C in Cool mode.



 You can increase/decrease the temperature in 1°C units.



- When you are using the remote control, make sure corresponding icon appears on the display.
- Air flow can also be adjusted manually. (See page 15 for instructions.)

# operating your air conditioner

## SELECTING OPERATION MODE

### Air circulation

If the room is stuffy and stale, operate your air conditioner in Fan mode. The air conditioner will reduce humidity without changing the inner temperature. We recommend using this mode during especially humid, but cool spring days.

1. Turn on the air conditioner.

Press the **Power**  button on the remote control.

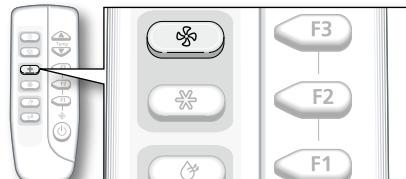
You will hear two short beeps and your air conditioner will turn on.



2. Set the operating mode.

Press the **Fan** button on the remote control to select Fan mode.

 icon will appear on the display.

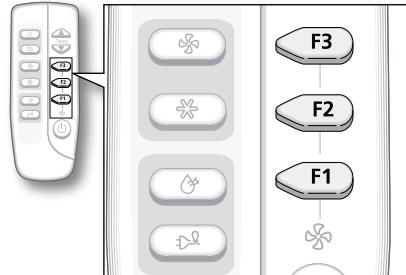


3. Set the fan speed.

Press the **Low/Med/High** button on the remote control.

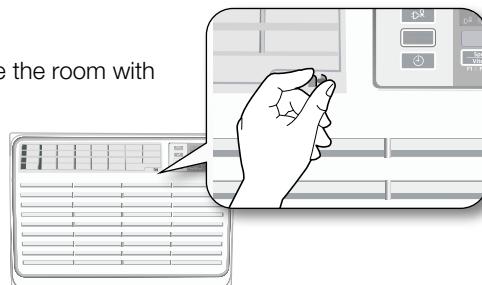
One of the following icons will appear on the display.

-  F1 Low fan speed is activated.
-  F2 Medium fan speed is activated.
-  F3 High fan speed is activated.



4. Open/block the vents.

Slide the lever towards the  icon to ventilate the room with fresh air and the  icon to block.



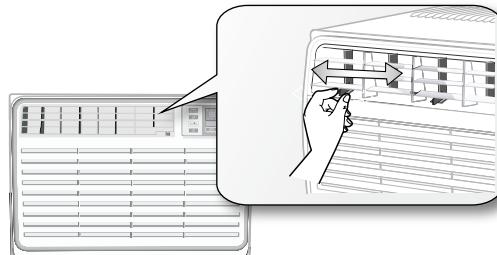
-  • When you are using the remote control, make sure the corresponding icon appears on the display.
- Air flow can also be adjusted manually. (See page 15 for instructions.)

## **ADJUSTING THE AIR FLOW DIRECTION**

Air flow can be adjusted in a desired direction.

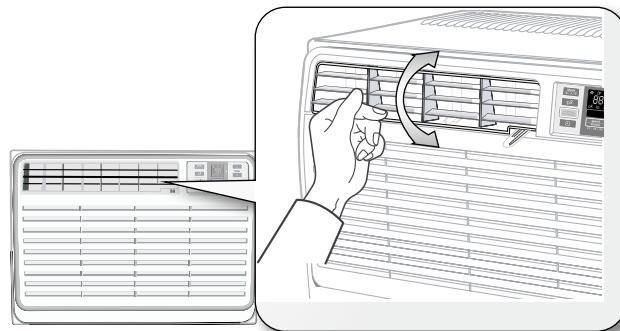
### **Horizontal air flow**

1. Adjust the inner air flow blades to the desired position by sliding them side to side.



### **Vertical air flow**

1. Move the vertical air flow blades up or down in the desired direction with your fingers.



 While the air conditioner cools the room, operate the appliance with the blades pointing upwards. If the unit operates in Cool mode for an extended period of time with the blades pointing downward, condensation may be generated.

# operating your air conditioner

## ADVANCED FUNCTIONS

This advanced function allows you to turn on/off your air conditioner on/off automatically . Simply set the time and your air conditioner will turn on/off automatically even when you are not home.

### On timer

This function allows you to turn on the air conditioner automatically within the time range of 24 hours. The On timer function will only work when the unit is not operating.

1. Turn off the air conditioner.

Press the **Power**  button on the remote control.

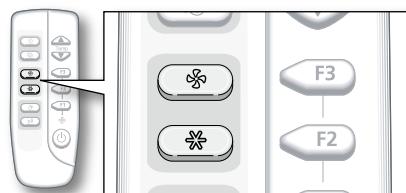
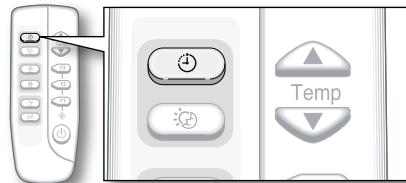
2. Set the number of hours you want to delay the start to the air conditioner.

Press the **Timer** button on the remote control.

Each time you press the button, time will increase in hourly units and you can be set up to 24 hours.  icon will appear on the display.

3. Set the operating mode.

Press one of the **Mode** buttons to select Cool or Fan mode on the remote control.



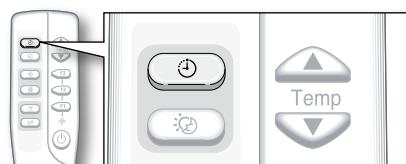
- Temperature/Fan speed can also be adjusted. (See steps 3~4 on page 12 for instructions.)
- After the completing the setup, all icons except the remaining hour and  icon will go off approximately 5 seconds later.

### To deactivate the On timer

1. Press the **Timer** button on the remote control until you see  on the display.

Timer will be off and the icons will disappear momentarily.

The air conditioner will remain off.



This function will only work while your air conditioner is off.

## Off timer

This function allows you to turn off the air conditioner automatically within the time range of 24 hours. Off timer function will only work when the unit is operating.

1. Turn on the air conditioner.

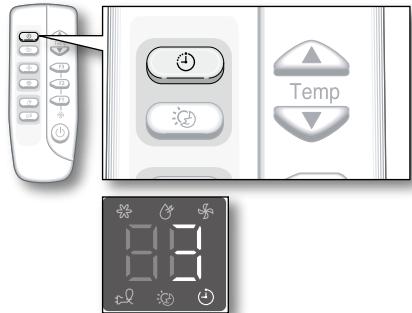
Press the **Power**  button on the remote control.

2. Set the number of hours you want the air conditioner to run for before it turns off automatically.

Press the **Timer** button on the remote control.

Each time you press the button, time will increase in hourly units and can be set up to 24 hours.

 icon will appear on the display.



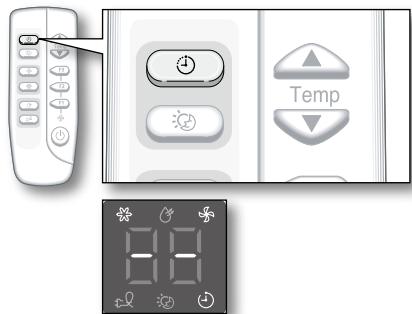
 Operating mode, Temperature and Fan speed can be adjusted before setting Off timer.  
(See pages 12~14 for instructions.)

## To deactivate Off timer

1. Press the **Timer** button on the remote control until you see  on the display.

Timer will be off and the  icon will disappear momentarily.

The display will then show its earlier temperature and the icons.



# operating your air conditioner

## ADVANCED FUNCTIONS

### Good Sleep mode

This function will be helpful to enjoy your sleep. In Good Sleep mode, the air conditioner will run for 8 hours at the temperature you set before turning off.

1. Turn on the air conditioner.

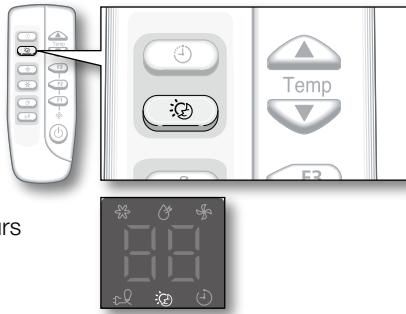
Press the **Power**  button on the remote control.

2. Set the Good Sleep mode on.

Press the **Good Sleep** button on the remote control.

The air conditioner will turn to Cool mode and it will turn off automatically in 8 hours.

 will appear on the display, then the remaining hours will appear.



Operating mode, Temperature and Fan speed can be adjusted before setting Good Sleep mode. (See pages 12~14 for instructions.)

### Temperature changes in Good Sleep mode

Each time you press a button, the unit beeps.

The  indicator and "8" will be displayed.

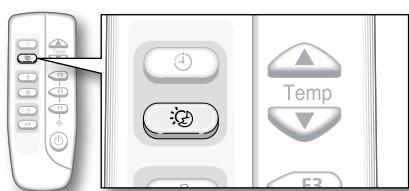
The remaining time is displayed and decreased by 1 hour automatically to indicate the remaining time.

If Good Sleep mode is selected after switching on the unit, the air conditioner will run in Cool mode. During this period, the temperature displayed is one you set for Cool mode. If the Good Sleep mode is selected before switching on the unit, the air conditioner starts running in Cool mode and the temperature is set to 26 °C.

The fan will run in low mode, and the speed can be adjusted.

### To deactivate the Good Sleep mode

1. Press the **Good Sleep** button on the remote control; Good Sleep mode will be cancelled and the unit will operate in Cool mode.



- Good Sleep mode is only available in Cool mode.
- Air flow can also be adjusted manually. (See page 15 for instructions.)

# operating your air conditioner

## ADVANCED FUNCTIONS

### Energy Saving mode

If you wish to save energy when using your Air Conditioner,select the Energy Saving mode.

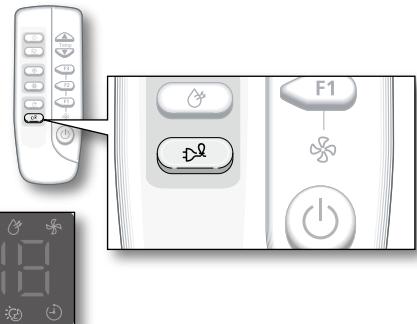
1. Turn on the air conditioner.

Press the **Power** button on the remote control.

2. Set the Energy Saving mode on.

Press the **E. Saver** button on the remote control.  
The air conditioner will turn off automatically .

**E. Saver** will appear on the display,then the remaining hours will appear.

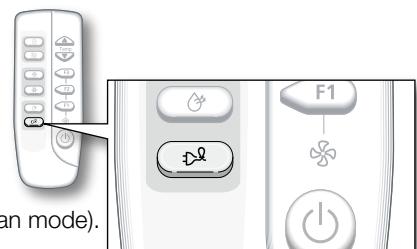


 E.Saver Mode can only be Selected in Cool or Fan mode. when you select E.Saver and the unit running in Cool mode, the temperature and fan speed can be adjusted.If you select E.Saver when the unit is running in Fan mode, the fan speed can be adjusted. (See pages 12~14 for instructions.)

### Energy Saving mode

The fan and compressor cycle on and off together.

the fan will continue to run for a short time after the compressor cycles off.



### To deactivate Energy Saving mode

Press the E.Saver button on the remote control;  
E.Saver mode will be cancelled and the unit will  
return to the mode you previously selecting(Cool or Fan mode).



• Air flow can also be adjusted manually. (See page 15 for instructions.)

# cleaning and maintaining your air conditioner

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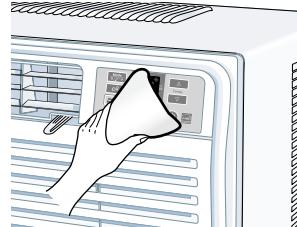
Keeping your air conditioner clean improves its performance, wards off unnecessary repairs, and lengthens its life.

## CLEANING THE EXTERIOR

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1. Wipe the surface of the appliance with a slightly wet or dry cloth when needed.

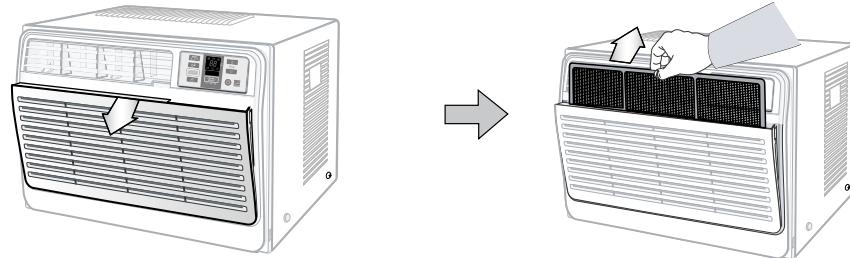
**CAUTION** Do not use Benzene, Thinner or Bleach.  
They may damage the surface of the unit and can create a risk of fire.



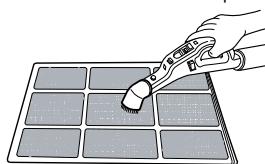
## CLEANING THE AIR FILTER

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1. Open the front grille and pull out the air filter inserted at the back of the front grille.



2. Vacuum the air filter completely.
3. Push the air filter back into place.



- For best conditions, repeat every two weeks.
- If the air filter dries in a confined (or humid) area, odors may generate. If this occurs, re-clean and dry in a well-ventilated area.

## MAINTAINING THE AIR CONDITIONER

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If the air conditioner will not be used for an extended period of time, dry it thoroughly and disconnect from the wall. There may be internal damage if moisture is left in its components.

1. Before storing the appliance, operate the air conditioner in Fan mode for three to four hours to dry the air conditioner completely.
2. Upon removing from storage, dry the inner components of the air conditioner again by running in Fan mode for three to four hours. This helps remove odors which may have generated from dampness.

# appendix

## TROUBLESHOOTING

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expense of a service call.

PROBLEM	SOLUTION
The air conditioner does not start operating immediately after it has been turned on.	<ul style="list-style-type: none"><li>Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.</li></ul>
The air conditioner does not work at all.	<ul style="list-style-type: none"><li>Check that the power plug is properly connected. Insert the power plug into the wall socket correctly.</li><li>Check if the circuit breaker is switched off.</li><li>Check if there is a power failure.</li><li>Check your fuse. Make sure it is not blown out.</li></ul>
The temperature does not change.	<ul style="list-style-type: none"><li>Check if your air conditioner to make sure it is not operating in Fan mode.</li></ul>
The cool(warm) air does not come out of the air conditioner.	<ul style="list-style-type: none"><li>Check if the set temperature is higher (lower) than the current temperature. Press the <b>Temp</b> button on the remote control or <b>Temp.</b> button on the control panel to change the set temperature. Press <b>▲</b> or <b>▼</b> to increase or decrease the temperature.</li><li>Check if the air filter is blocked by dirt. Clean the air filter every two weeks.</li><li>Check if the air conditioner has just been turned on. If so wait 3 minutes.</li></ul>
Odors permeate the room during operation.	<ul style="list-style-type: none"><li>Check if the appliance is running in a smoky area or if there is a smell entering from outside. Operate the air conditioner in Fan mode or open the windows to air out the room.</li><li>Check your ventilation lever and make sure it is in  position. Outside odors might come in when your ventilation lever is in  position.</li></ul>
The air conditioner makes a bubbling sound.	<ul style="list-style-type: none"><li>A bubbling sound may be heard when the refrigerant is circulating through the compressor. This is normal operation.</li></ul>
The air conditioner vibrates excessively or makes a lot of noise during operation.	<ul style="list-style-type: none"><li>Check if there is a gap between the air conditioner and the wall. Insulate the crack securely.</li></ul>
Water is dripping from the air flow blades.	<ul style="list-style-type: none"><li>Check if the air conditioner has been cooling for an extended period of time with the air flow blades pointed downwards. Condensation may generate due to the difference in temperature. Push the vertical air flow blades upward and run the appliance.</li></ul>
Remote control is not working.	<ul style="list-style-type: none"><li>Check if your batteries are depleted.</li><li>Make sure batteries are correctly installed.</li><li>Make sure nothing is blocking the remote control sensor.</li></ul>

## OPERATION RANGES

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

MODE	OPERATIONAL TEMPERATURE		INDOOR HUMIDITY
	INDOOR	OUTDOOR	
COOLING	Approximately 21°C~32°C	Approximately 21°C~43°C	80% or less

